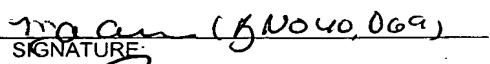


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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |   | ATTORNEY'S DOCKET NUMBER<br>0230-0226PUS1<br><b>107538014</b><br>U.S. APPLICATION NO. (if known, see 37 CFR 1.5) |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/002691   | INTERNATIONAL FILING DATE<br>3 March 2004 | PRIORITY DATE CLAIMED<br>3 March 2003  |
| TITLE OF INVENTION      NOVEL URETHANE-BOND-DEGRADING BACTERIA   |   |  |
| APPLICANT(S) FOR DO/EO/US      Toshiaki KAMBE and Yukie SHIGENO  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |  |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p> |   |  |
| Items 11 to 20 below concern document(s) or information included:  |   |  |
| <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: PCT/ISA/210; PCT/IB/304; PCT/IB/308; Verification of a Translation; Five (5) Sheets of Formal Drawings and Two Sheets of Sequence listing</p>   |   |  |

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|  |              |   |              |                           |  |                        |    |                       |    |
|--|--------------|---|--------------|---------------------------|--|------------------------|----|-----------------------|----|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.4)  |              | INTERNATIONAL APPLICATION NO.   |              | ATTORNEY'S DOCKET NUMBER  |  |                        |    |                       |    |
| 10/538014  |              | PCT/JP2004/002691   |              | 0230-0226PUS1             |  |                        |    |                       |    |
| The following fees have been submitted   |              |   |              |                           |  |                        |    |                       |    |
| 21. <input checked="" type="checkbox"/> Basic national fee .....\$300  |              |   |              | CALCULATIONS PTO USE ONLY |  |                        |    |                       |    |
| 22. <input checked="" type="checkbox"/> Examination fee<br>If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) .....\$100<br>All other situations .....\$200  |              |   |              |                           |  |                        |    |                       |    |
| 23. <input checked="" type="checkbox"/> Search fee<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....\$100<br>International Search Report prepared and provided to the Office .....\$400<br>All other situations .....\$500  |              |   |              | \$ 200.00                 |  |                        |    |                       |    |
| <b>TOTAL OF 21, 22 and 23 =</b>  |              |   |              | \$ 900.00                 |  |                        |    |                       |    |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |              |                           |  |                        |    |                       |    |
| Total Sheets   | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE         |                           |  |                        |    |                       |    |
| 32 - 100 =   | /50 =        |   | x \$250.00   |                           |  |                        |    |                       |    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).  |              |   |              |                           |  |                        |    |                       |    |
| CLAIMS   |              | NUMBER FILED  | NUMBER EXTRA | RATE                      |  |                        |    |                       |    |
| Total claims   |              | 18 - 20 =   | x            | \$ 0.00                   |  |                        |    |                       |    |
| Independent claims   |              | 1 - 3 =   | x            | \$ 0.00                   |  |                        |    |                       |    |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable)  |              |   | + 360.00     | \$ 360.00                 |  |                        |    |                       |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |              | \$ 1,260.00               |  |                        |    |                       |    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.   |              |   |              |                           |  |                        |    |                       |    |
| <b>SUBTOTAL =</b> \$ 1,260.00  |              |   |              |                           |  |                        |    |                       |    |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).   |              |   |              |                           |  |                        |    |                       |    |
| <b>TOTAL NATIONAL FEE =</b> \$ 1,260.00  |              |   |              |                           |  |                        |    |                       |    |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |              |                           |  |                        |    |                       |    |
| <b>TOTAL FEES ENCLOSED =</b> \$ 1,300.00   |              |   |              |                           |  |                        |    |                       |    |
| <table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table>   |              |   |              |                           |  | Amount to be refunded: | \$ | Amount to be charged: | \$ |
| Amount to be refunded:   | \$           |   |              |                           |  |                        |    |                       |    |
| Amount to be charged:  | \$           |   |              |                           |  |                        |    |                       |    |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,300.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2448. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> |              |   |              |                           |  |                        |    |                       |    |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.  |              |   |              |                           |  |                        |    |                       |    |
| SEND ALL CORRESPONDENCE TO:  |              |   |              |                           |  |                        |    |                       |    |
| <br>SIGNATURE<br>Marc S. Weiner  |              |   |              |                           |  |                        |    |                       |    |
| NAME   |              |   |              |                           |  |                        |    |                       |    |
| CUSTOMER NUMBER: 02292   |              |   |              |                           |  |                        |    |                       |    |
| June 7, 2005   |              |   |              |                           |  |                        |    |                       |    |
| /smt   |              |   |              |                           |  |                        |    |                       |    |
| 32,181   |              |   |              |                           |  |                        |    |                       |    |
| REGISTRATION NUMBER  |              |   |              |                           |  |                        |    |                       |    |

VERIFICATION OF A TRANSLATION

I, the below named translator, hereby declare that:

My name and post office address are as stated below;

That I am knowledgeable in the English language and in the language in which the below identified application was filed, and that I believe the English translation of International Application No. PCT/JP2004/002691 is a true and complete translation of the above-identified International Application as filed.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated this 20th day of May, 2005

Full name of the translator: Osamu YAMAMOTO

Signature of the translator:



Post Office Address: c/o YUASA AND HARA, Section 206,  
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